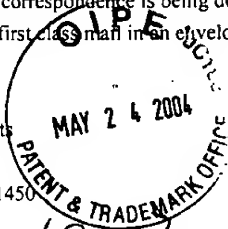


I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



**PATENT**  
Attorney Docket No.: A4938.01/T37310  
AMAT No.: 004938 USA/MTCG/PCTRL/JW  
TTC No.: 016301-037310US

2125  
#  
41

On MAY 19, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Eleanor J. Taylor

**RECEIVED**

MAY 28 2004

Technology Center 2100

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

TERRY REISS et al.

Application No.: 09/833,516

Filed: April 11, 2001

For: FAULT DETECTION AND  
VIRTUAL SENSOR METHODS FOR  
TOOL FAULT MONITORING

Confirmation No. 2537

Examiner: Charles R. Kasenge

Technology Center/Art Unit: 2125

**RESPONSE TO OFFICE ACTION**  
Mailed November 20, 2003

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed November 20, 2003, please enter the following amendments and remarks. A petition for a three month extension of time to respond to the Office action is filed herewith.

**Amendments to the Claims** including a listing of the pending claims, begins on page 2 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.